

**Amendments to the Specification**

**IN THE ABSTRACT OF THE DISCLOSURE**

Attached hereto is a replacement Abstract with markings to show amendments.

**IN THE WRITTEN DESCRIPTION**

Please replace the paragraph beginning at page 1, line 11, with the following rewritten paragraph:

The present invention relates to a user authentication method and system, an information terminal device, and a service providing server for authenticating an identity of a user of an information terminal device when the user receives a service from the service providing server via a network, a subject identification method and system for identifying a subject using an imaging means ~~constituted by~~ including a standard lens and a close-up lens having a focal length shorter than a focal length of the standard lens, a correspondence confirmation method and system for confirming whether or not a person or animal is in correct correspondence with an object prepared individually for the person or animal, an object confirmation method and system for confirming whether or not an object prepared individually for a person or animal is genuine or for confirming which person or animal the object is prepared for, an object confirmation method and system for confirming whether or not two types of objects prepared individually for each person or animal are objects prepared for the same person or animal, a subject identification method and system for identifying a subject using an imaging device, a user authentication method and system and an information terminal device for authenticating an identity of a user of one information terminal device when the user communicates via a network with a user of another information terminal device, and program products for them, and the present invention can be used for identity authentication using an iris or a fingerprint for example.

Please replace the paragraph beginning at page 4, line 10, with the following rewritten paragraph:

According to the present invention, a user authentication method for performing authentication of an identity of a user of an information terminal device when the user receives a service from a service providing server via a network is characterized in that it includes the steps of: capturing an iris image of the user himself/herself in advance ~~and storing to store~~ and ~~registering~~ register the iris image as registration iris image data in at least one of the information terminal device and the service providing server; transmitting a current password defined individually for the user from the information terminal device to the service providing server; ~~capturing a current iris image of the user by an imaging means provided in the information terminal device; and~~ generating current iris image data in the information terminal device when the user receives a service from the service providing server by the information terminal device; comparing thereafter by the service providing server the current password transmitted from the information terminal device with a password stored in the service providing server; ~~and~~ comparing the current iris image data with the registration iris image data by at least one of the information terminal device and the service providing server to thereby authenticate the identity of the user based on comparison results thereof; ~~and~~ updating automatically thereafter by one of the information terminal device and the service providing server the password to generate a new password to be used when a next service is provided; ~~transmitting the new password to the other of the information terminal device and the service providing server; and storing the same new password in both the information terminal device and the service providing server.~~

Please replace the paragraph beginning at page 7, line 21, with the following rewritten paragraph:

Here, the imaging means ~~is constituted by~~ including includes an imaging lens, and the imaging lens may be a single focal lens or a bifocal lens ~~constituted by~~ including a standard lens and a close-up lens having a different focal length from each other. This point is the same for the following user authentication systems.

Please replace the paragraph beginning at page 15, line 6, with the following rewritten paragraph:

Further, according to the present invention, a subject identification method for identifying a subject using an imaging means ~~constituted by~~ including a standard lens and a close-up lens having a focal length shorter than a focal length of the standard lens is characterized in that it includes the steps of: capturing a standard image of the subject in advance to store the standard image as registration standard image data in a registration standard image data storing means, and capturing a close-up image of the subject in advance to store the close-up image as registration close-up image data in a registration close-up image data storing means; capturing a current standard image of the subject using the standard lens to generate current standard image data, and capturing a current close-up image of the subject using the close-up lens to generate current close-up image data when performing identification of the subject; and comparing thereafter by a close-up image data comparing means the current close-up image data with the registration close-up image data stored in the registration close-up image data storing means to thereby perform identification of the subject.

Please replace the paragraph beginning at page 19, line 18, with the following rewritten paragraph:

Specifically, according to the present invention, a subject identification system for identifying a subject using an imaging means ~~constituted by~~ including a standard lens and a close-up lens having a focal length shorter than a focal length of the standard lens is characterized in that it includes: a registration standard image data storing means for storing and registering a standard image of the subject captured in advance as registration standard image data; a registration close-up image data storing means for storing and registering a close-up image of the subject captured in advance as registration close-up image data; a current standard image obtaining means for capturing a current standard image of the subject using the standard lens to thereby generate current standard image data; a current close-up image obtaining means for capturing a current close-up image of the subject using the close-up lens to thereby generate current close-up image data; and a close-up image data comparing means for comparing the current close-up image data obtained by the current close-up image obtaining means with the registration close-up image data stored in the registration close-up image data storing means.

Please replace the paragraph beginning at page 21, line 10, with the following rewritten paragraph:

Further, according to the present invention, a program product for a computer to function as a subject identification system for identifying a subject using an imaging means ~~constituted by~~ including a standard lens and a close-up lens having a focal length shorter than a focal length of the standard lens is characterized in that it includes: a registration standard image data storing means for storing and registering a standard image of the subject captured in advance as registration standard image data; a registration close-up image data storing means for storing and registering a close-up image of the subject captured in advance as registration close-up image data; a current standard image

obtaining means for capturing a current standard image of the subject using the standard lens to thereby generate current standard image data; a current close-up image obtaining means for capturing a current close-up image of the subject using the close-up lens to thereby generate current close-up image data; and a close-up image data comparing means for comparing the current close-up image data obtained by the current close-up image obtaining means with the registration close-up image data stored in the registration close-up image data storing means.

Please replace the paragraph beginning at page 23, line 19, with the following rewritten paragraph:

Further, the imaging means ~~is constituted by~~ including includes an imaging lens, and the imaging lens may be a single focal lens or a bifocal lens ~~constituted by~~ including a standard lens and a close-up lens having a different focal length from each other.

Please replace the paragraph beginning at page 25, line 31, with the following rewritten paragraph:

Here, the imaging means ~~is constituted by~~ including includes an imaging lens, and the imaging lens may be a single focal lens or a bifocal lens ~~constituted by~~ including a standard lens and a close-up lens having a different focal length from each other.

Please replace the paragraph beginning at page 28, line 1, with the following rewritten paragraph:

Here, the imaging means ~~is constituted by~~ including includes an imaging lens, and the imaging lens may be a single focal lens or a bifocal lens ~~constituted by~~ including a standard lens and a close-up lens having a different focal length from each other.

Please replace the paragraph beginning at page 31, line 16, with the following rewritten paragraph:

Here, the imaging means ~~is constituted by including~~includes an imaging lens, and the imaging lens may be a single focal lens or a bifocal lens ~~constituted by including~~ a standard lens and a close-up lens having a different focal length from each other.

Please replace the paragraph beginning at page 35, line 13, with the following rewritten paragraph:

Here, the imaging means ~~is constituted by including~~includes an imaging lens, and the imaging lens may be a single focal lens or a bifocal lens ~~constituted by including~~ a standard lens and a close-up lens having a different focal length from each other.

Please replace the paragraph beginning at page 40, line 6, with the following rewritten paragraph:

In FIG. 1, the user authentication system 10 ~~is constituted by including~~includes a service providing server 20 connected to a control center 2 of a cellular phone company via the Internet 3, and a cellular phone 30 that is a portable information terminal device used for receiving a service.

Please replace the paragraphs beginning at page 40, line 16, with the following rewritten paragraphs:

Therefore, the packet communication network 1, the control center 2, the Internet 3, and the radio wave 4 form a network 5 which connects the service providing server 20 and the cellular phone 30. Incidentally, in FIG. 1, the service providing server 20 is connected to the control center 2 via the Internet 3, but it may be connected to the control center 2 via an exclusive line. Further, in the first embodiment, the network 5 ~~is constituted by including~~includes the packet communication network 1, but the communication network

constituting the network according to the present invention is not limited to the packet communication network.

In FIG. 2, the service providing server 20 ~~is constituted by~~includes one or plural computers and has a processing unit 21 which performs various ~~processing processes~~ regarding provision of a service, a server-side password storing unit 22 which stores passwords on the server-side, and a registration iris image data storing unit 23 which stores and registers iris images of users themselves captured in advance as registration iris image data. The server-side password storing unit 22 stores passwords for respective contracted cellular phones 30. Further, the registration iris image data storing unit 23 stores the registration iris image data for the respective contracted cellular phones 30.

Please replace the paragraph beginning at page 41, line 28, with the following rewritten paragraph:

In FIG. 2, the cellular phone 30 has a processing unit 34 which performs various processing when receiving a service, a terminal-side password storing unit 35 which stores a password on the terminal-side, and an imaging unit 36 which captures an iris image of a user. The imaging unit 36 ~~is constituted by including~~includes an imaging lens 36A (refer to FIG. 1), a not-shown imaging element, a not-shown drive circuit which operates the imaging element, and a not-shown camera control unit (CCU) which processes an obtained image signal of a subject. The imaging lens may be a single focal lens or a bifocal lens ~~constituted by including~~including a standard lens and a close-up lens having a different focal length from each other. Further, the imaging element is, for example, a complementary metal oxide semiconductor (CMOS), a charge coupled device (CCD), or the like.

Please replace the paragraphs beginning at page 42, line 25, with the following rewritten paragraphs:

The server-side password storing unit 22 and the registration iris image data storing unit 23 of the service providing server 20 ~~are constituted by~~comprise, for example, a hard disk or the like. Further, the terminal-side password storing unit 35 of the cellular phone 30 ~~is constituted by~~comprises, for example, an electrically erasable programmable read-only memory (EEPROM), or the like.

The respective units 21A to 21G ~~constituting~~comprising the processing unit 21 of the service providing server 20 are realized by a central processing unit (CPU) provided inside the computer ~~constituting~~comprising the service providing server 20 and by a program product or the like which defines operation procedures of the CPU.

The respective units 34A to 34F ~~constituting~~comprising the processing unit 34 of the cellular phone 30 are realized by a central processing unit (CPU) provided inside the cellular phone 30 and by a program product or the like which defines operation procedures of the CPU. This program product may be, for example, a program product (for example, a Java program or the like; note that the Java is a registered trademark) adapted to be mounted on a cellular phone downloaded ~~from~~from the service providing server 20, or may be a one mounted inside the cellular phone 30 before shipment. However, the program product is described herein as a downloaded one.

Please replace the paragraph beginning at page 46, line 24, with the following rewritten paragraph:

Similarly to the user authentication system 10 of the first embodiment, the user authentication system 50 of the second embodiment is a system which performs user authentication when various transaction ~~processing~~processes regarding provision of a service are carried out between a service providing server 60 and a cellular phone 70 which is a portable information terminal device. The service providing



server 60 and the cellular phone 70 are connected by a network identical to the network 5 in FIG. 1 of the first embodiment.

Please replace the paragraph beginning at page 47, line 10, with the following rewritten paragraph:

In FIG. 4, the service providing server 60 ~~is constituted~~ by comprises one or plural computers and has, similarly to the service providing server 20 of the first embodiment, a processing unit 61, a server-side password storing unit 62, and a registration iris image data storing unit 63. The processing unit 61 has, similarly to the processing unit 21 of the first embodiment, a current password receiving unit 61A, a password comparing unit 61B, a registration iris image data receiving unit 61D, a current iris image data receiving unit 61E, and an iris image data comparing unit 61F. Each of these units 61A, 61B, 61D, 61E, 61F, 62, and 63 has the same configuration and function as those of each of the corresponding units with the same names in the service providing server 20 of the first embodiment.

Please replace the paragraph beginning at page 51, line 17, with the following rewritten paragraph:

Similarly to the user authentication system 10 of the first embodiment, the user authentication system 110 of the third embodiment is a system which performs user authentication when various transaction ~~processing processes~~ processes regarding provision of a service are carried out between a service providing server 120 and a cellular phone 130 which is a portable information terminal device. The service providing server 120 and the cellular phone 130 are connected by a network identical to the network 5 in FIG. 1 of the first embodiment.

Please replace the paragraph beginning at page 52, line 2, with the following rewritten paragraph:

In FIG. 6, the service providing server 120 ~~is constituted by~~comprises one or plural computers and has, similarly to the service providing server 20 of the first embodiment, a processing unit 121 and a server-side password storing unit 122. The processing unit 121 has, similarly to the processing unit 21 of the first embodiment, a current password receiving unit 121A, a password comparing unit 121B, a password updating unit 121C, and a new password transmitting unit 121D. Each of these units 121A, 121B, 121C, 121D, and 122 has the same configuration and function as those of each of the corresponding units with the same names in the service providing server 20 of the first embodiment.

Please replace the paragraph beginning at page 56, line 13, with the following rewritten paragraph:

Similarly to the user authentication system 10 of the first embodiment, the user authentication system 150 of the fourth embodiment is a system which performs user authentication when various transaction ~~processing processes~~ regarding provision of a service are carried out between a service providing server 160 and a cellular phone 170 which is a portable information terminal device. The service providing server 160 and the cellular phone 170 are connected by a network identical to the network 5 in FIG. 1 of the first embodiment.

Please replace the paragraph beginning at page 57, line 2, with the following rewritten paragraph:

In FIG. 8, the service providing server 160 ~~is constituted by~~comprises one or plural computers and has, similarly to the service providing server 20 of the first embodiment, a processing unit 161 and a server-side password storing unit 162. The processing unit 161 has, similarly to the processing unit 21 of the first embodiment, a current password receiving unit 161A and a password comparing unit 161B. Each of these units 161A, 161B, and 162 has the same

configuration and function as those of each of the corresponding units with the same names in the service providing server 20 of the first embodiment.

Please replace the paragraph beginning at page 61, line 15, with the following rewritten paragraph:

FIG. 10 shows a detailed configuration of a user authentication system 210 of a fifth embodiment of the present invention. Similarly to the user authentication system 10 of the first embodiment, the user authentication system 210 of the fifth embodiment is a system which performs user authentication when various transaction ~~processing~~processes regarding provision of a service are carried out between a service providing server 220 and a cellular phone 230 which is a portable information terminal device. The service providing server 220 and the cellular phone 230 are connected by a network identical to the network 5 in FIG. 1 of the first embodiment.

Please replace the paragraph beginning at page 62, line 3, with the following rewritten paragraph:

In FIG. 10, the service providing server 220 ~~is constituted by~~comprises one or plural computers and has, similarly to the service providing server 120 of the third embodiment, a processing unit 221 and a server-side password storing unit 222. The processing unit 221 has, similarly to the processing unit 121 of the third embodiment, a current password receiving unit 221A, a password comparing unit 221B, a password updating unit 221C, and a new password transmitting unit 221D. Each of these units 221A, 221B, 221C, 221D, and 222 has the same configuration and function as those of each of the corresponding units with the same names in the service providing server 120 of the third embodiment.

Please replace the paragraph beginning at page 65, line 5, with the following rewritten paragraph:

FIG. 11 shows a detailed configuration of a user authentication system 250 of a sixth embodiment of the present invention. Similarly to the user authentication system 10 of the first embodiment, the user authentication system 250 of the sixth embodiment is a system which performs user authentication when various transaction ~~processing~~processes regarding provision of a service are carried out between a service providing server 260 and a cellular phone 270 which is a portable information terminal device. The service providing server 260 and the cellular phone 270 are connected by a network identical to the network 5 in FIG. 1 of the first embodiment.

Please replace the paragraphs beginning at page 68, line 32, with the following rewritten paragraphs:

In FIG. 12, the subject identification system 300 ~~is constituted by including~~includes a device main body 310 provided in the vicinity of an entrance/exit 302 of a building 301 and a cellular phone 350 which is a portable information terminal device capable of remotely controlling the device main body 310.

The device main body 310 ~~is constituted by~~comprises one or plural computers and has an imaging unit 320 which captures a facial image of a person that is a standard image of a subject and an iris image of the person that is a close-up image of the subject, a display portion 324 for screen display which ~~is constituted by~~comprises a liquid crystal display screen or the like for example, an operation portion 325 for performing various key-entry operation, a receiving unit 326 which receives radio signals from the cellular phone 350, a microphone 327, and a speaker 328.

In FIG. 13, the imaging unit 320 ~~is constituted by including~~includes an imaging lens 321, a not-shown imaging element, a not-shown drive circuit which drives the imaging element, and a not-shown camera control unit (CCU) which processes an obtained image signal of a subject. The imaging

lens 321 is a bifocal lens ~~constituted by including~~ a standard lens 322 and a close-up lens 323 having a different focal length from each other. The focal length of the close-up lens 323 is shorter than the focal length of the standard lens 322. On a right portion of FIG. 13, a state of the imaging lens 321 seen from front is shown, and on a left portion of FIG. 13, a cross-section of the imaging lens 321 is shown. In the seventh embodiment, as shown in FIG. 13, the standard lens 322 is arranged inside and has a circular shape when seen from front, and the close-up lens 323 is arranged outside and has a ring shape when seen from front. However, the lenses are not limited to these arrangement and shapes. Basically, they may be any lenses as long as they are provided in a combination of a standard lens and a close-up lens each having a different focal length. Further, the imaging element is, for example, a complementary metal oxide semiconductor (CMOS), a charge coupled device (CCD), or the like. Furthermore, as a component of the imaging unit 320, an optical shutter for switching the standard lens 322 and the close-up lens 323 and formed using a liquid crystal or the like for example may be provided between the imaging lens 321 and the imaging element. As an example of the imaging unit 320 as described above, one described in Information Terminal Device (Japanese Patent Application No. 2000-348800), which is already proposed by the inventor of the present invention, may be suitably used.

Please replace the paragraph beginning at page 70, line 31, with the following rewritten paragraph:

The registration close-up image data storing unit 335 ~~is constituted by including~~ includes a first shape/pattern/color storing unit 335A, a second shape/pattern/color storing unit 335B, and a third shape/pattern/color storing unit 335C. Each of these storing units 335A, 335B, and 335C stores different type of registration close-up image data. Incidentally, although three types of registration close-up image data are prepared in the seventh embodiment, they are not limited to

three types, which may be one type or plural types other than three types.

Please replace the paragraph beginning at page 71, line 13, with the following rewritten paragraph:

The cellular phone 350 has an imaging unit 351 which captures a facial image of a person, which is a standard image of a subject, and an iris image of the person, which is a close-up image of the subject, a display portion 352 for screen display which ~~is constituted by~~comprises a liquid crystal display screen or the like for example, an operation portion 353 for performing various key-entry operation, an antenna 354 which transmits a radio signal to the device main body 310, a microphone 355, and a speaker 356. The imaging unit 351 and the display portion 352 have the same configurations as those of the imaging unit 320 and the display portion 324 of the device main body 310.

Please replace the paragraph beginning at page 72, line 6, with the following rewritten paragraph:

The registration standard image data storing unit 331 and the registration close-up image data storing unit 335 of the device main body 310 ~~are constituted by~~comprise a hard disk or the like for example.

Please replace the paragraph beginning at page 73, line 26, with the following rewritten paragraph:

Thus, the iris images including the optical source noises 307 of three different types per person are obtained and stored in the respective storing units 335A, 335B, and 335C ~~constituting~~comprising the registration close-up image data storing unit 335.

Please replace the paragraph beginning at page 78, line 17, with the following rewritten paragraph:

In FIG. 15 and FIG. 16, the correspondence confirmation system 400 ~~is constituted by including~~includes one or plural computers 420 and one or plural portable information terminal devices 430. The computer 420 is, for example, operated by each doctor 403 in charge of consultation, each nurse assisting the doctor 403, a receptionist of a hospital, or the like. The portable information terminal device 430 is, for example, operated by each doctor 404 in charge of operation and treatment, each nurse assisting the doctor 404, or the like.

Please replace the paragraph beginning at page 79, line 18, with the following rewritten paragraph:

The imaging unit 421 provided in the computer 420 and the imaging unit 431 provided in the portable information terminal device 430 have the same configuration, and these imaging units 421 and 431 ~~are constituted by including~~include imaging lenses 421A and 431A, not-shown imaging elements, not-shown drive circuits which drive the imaging elements, and not-shown camera control units (CCU) which process an obtained image signal of a subject. The imaging lens may be a single focal lens or a bifocal lens ~~constituted by including~~ a standard lens and a close-up lens having a different focal length from each other. Further, the imaging element is, for example, a complementary metal oxide semiconductor (CMOS), a charge coupled device (CCD), or the like.

Please replace the paragraphs beginning at page 80, line 9, with the following rewritten paragraphs:

The converting unit 422 and the drawing unit 423 provided in the computer 420 are realized by a central processing unit (CPU) provided inside the computer 420 and by a program product or the like which defines operation procedures of the CPU. Further, the outputting unit 424 ~~is comprises~~comprises, for example, ~~constituted by~~ a printer or the like, and the input

unit 425 ~~is~~comprises, for example, ~~constituted by~~ a keyboard, a mouse, and the like.

The converting unit 432, the decoding unit 433, and the two-dimensional barcode data comparing unit 434 provided in the portable information terminal device 430 are realized by a central processing unit (CPU) provided inside the portable information terminal device 430 and by a program product or the like which defines operation procedures of the CPU.

Further, the display portion 435 ~~is constituted by~~comprises a liquid crystal display screen or the like for example.

Please replace the paragraph beginning at page 83, line 6, with the following rewritten paragraph:

In FIG. 18, the identification confirmation system 500 ~~is constituted by including~~includes a computer 520 installed at a location where the identification 501 is issued and one or plural portable information terminal devices 530 connected to the computer 520 via a wired or wireless network. The portable information terminal device 530 ~~is constituted by~~comprises a cellular phone or the like for example and operated by a person (for example, a guard or the like of a company in a case that the identification 501 is an employee ID card identifying an employee) who attempts to confirm the identity of a presenter of the identification 501.

Please replace the paragraphs beginning at page 84, line 15, with the following rewritten paragraphs:

The imaging unit 521 provided in the computer 520 and the imaging unit 531 provided in the portable information terminal device 530 have the same configuration, and each of these imaging units 521 and 531 ~~are each constituted by including~~includes an imaging lens, an imaging element, a drive circuit which drives the imaging element, and a camera control unit (CCU) which processes an obtained image signal of a subject. The imaging lens may be a single focal lens or a bifocal lens ~~constituted by including~~ a standard lens and a



close-up lens having a different focal length from each other. Further, the imaging element is, for example, a complementary metal oxide semiconductor (CMOS), a charge coupled device (CCD), or the like.

The converting unit 522 and the drawing unit 523 provided in the computer 520 are identical to the converting unit 422 and the drawing unit 423 of the eighth embodiment. The converting unit 522, the drawing unit 523, the two-dimensional barcode data receiving unit 526, the two-dimensional barcode data comparing unit 527, and the comparison result transmitting unit 528 are realized by a central processing unit (CPU) provided inside the computer 520 and by a program product or the like which defines operation procedures of the CPU. Further, the outputting unit 524 ~~is~~comprises, for example, ~~constituted by~~ a printer or the like, and the two-dimensional barcode storing unit 525 is, for example, constituted by a hard disk or the like.

The decoding unit 532, two-dimensional barcode data transmitting unit 533, and comparison result receiving unit 534 provided in the portable information terminal device 530 are realized by a central processing unit (CPU) provided inside the portable informational terminal device 530 and by a program product or the like which defines operation procedures of the CPU. Further, the display portion 535 ~~is~~comprises, for example, ~~constituted by~~ a liquid crystal display screen or the like.

Please replace the paragraph beginning at page 87, line 27, with the following rewritten paragraph:

In FIG. 19, the membership card confirmation system 600 ~~is constituted by including~~includes a computer 620 placed at a location where the membership card 601 is issued and one or plural portable information terminal devices 630. The portable information terminal device 630 ~~is~~comprises, for example, ~~constituted by~~ a cellular phone, a PDA, or the like and operated by a person who attempts to confirm whether a

presenter of the membership card 601 is a member or not (more precisely, whether the presented membership card 601 is genuine or not) using the membership list 602. For example, when a meeting limited to members is held at a remote place from the installation location of the computer 620, the portable information terminal device 630 is operated by a receptionist or the like to confirm a person desiring to participate using the membership list 602.

Please replace the paragraphs beginning at page 89, line 1, with the following rewritten paragraphs:

The imaging unit 621 provided in the computer 620 and the imaging unit 631 provided in the portable information terminal device 630 have the same configuration, and each of these imaging units 621 and 631 ~~are each constituted by~~ including an imaging lens, an imaging element, a drive circuit which drives the imaging element, and a camera control unit (CCU) which processes an obtained image signal of a subject. The imaging lens may be a single focal lens or a bifocal lens ~~constituted by~~ including a standard lens and a close-up lens having a different focal length from each other. Further, the imaging element is, for example, a complementary metal oxide semiconductor (CMOS), a charge coupled device (CCD), or the like.

The converting unit 622 and the drawing unit 623 provided in the computer 620 are identical to the converting unit 422 and the drawing unit 423 of the eighth embodiment. The converting unit 622 and the drawing unit 623 are realized by a central processing unit (CPU) provided inside the computer 620 and by a program product or the like which defines operation procedures of the CPU. Further, the outputting unit 624 ~~is comprised, for example, constituted by~~ is comprised, for example, is comprised by a printer or the like.

The decoding unit 632 and the two-dimensional barcode data comparing unit 633 provided in the portable information terminal device 630 are realized by a central processing unit (CPU) provided inside the portable information terminal device

630 and by a program product or the like which defines operation procedures of the CPU. Further, the display portion 634 is comprised, for example, ~~constituted by~~ a liquid crystal display screen or the like.

Please replace the paragraphs beginning at page 91, line 25, with the following rewritten paragraphs:

In FIG. 20, the subject identification system 700 ~~is constituted by including~~ includes a device main body 710 provided in the vicinity of an entrance/exit 702 of a building 701 and a cellular phone 750 which is a portable information terminal device capable of remotely controlling the device main body 710.

The device main body 710 ~~is constituted by~~ comprises one or plural computers and has an imaging unit 720 which captures a fingerprint image and an iris image of a subject, a display portion 724 for screen display which ~~is constituted by~~ comprises a liquid crystal display screen or the like for example, an operation portion 725 for performing various key-entry operation, a receiving unit 726 which receives radio signals from the cellular phone 750, a microphone 727, and a speaker 728.

In FIG. 20, the imaging unit 720 ~~is constituted by including~~ includes an imaging lens 721, a not-shown imaging element, a not-shown drive circuit which drives the imaging element, and a not-shown camera control unit (CCU) which processes an obtained image signal of a subject. The imaging lens 721 may be a single focal lens or a bifocal lens ~~constituted by including~~ a standard lens and a close-up lens having a different focal length from each other. Further, the imaging element is, for example, a complementary metal oxide semiconductor (CMOS), a charge coupled device (CCD), or the like.

Please replace the paragraph beginning at page 93, line 5, with the following rewritten paragraph:

The registration iris image data storing unit 735 ~~is constituted by including~~includes a first shape/pattern/color storing unit 735A, a second shape/pattern/color storing unit 735B, and a third shape/pattern/color storing unit 735C. Each of these storing units 735A, 735B, and 735C stores different type of registration iris image data. Incidentally, although three types of registration iris image data are prepared in the eleventh embodiment, they are not limited to the three types, which may be one type or plural types other than three types.

Please replace the paragraph beginning at page 93, line 19, with the following rewritten paragraph:

The cellular phone 750 has an imaging unit 751 which captures ~~ana~~ a fingerprint image and an iris image of a subject, a display portion 752 for screen display which ~~is constituted by~~comprises a liquid crystal display screen or the like for example, an operation portion 753 for performing various key-entry operation, an antenna 754 which transmits a radio signal to the device main body 710, a microphone 755, and a speaker 756. The imaging unit 751 and the display portion 752 have the same configurations as those of the imaging unit 720 and the display portion 724 of the device main body 710.

Please replace the paragraphs beginning at page 94, line 10, with the following rewritten paragraphs:

The registration iris image data storing unit 731 and the registration iris image data storing unit 735 of the device main body 710 ~~are constituted by~~comprise a hard disk or the like for example.

The respective units 730, 732, 733, 734, 736, and 737 provided in the device main body 710 are realized by a central processing unit (CPU) provided inside a computer ~~constituting~~comprising the device main body 710, and by a program product or the like which defines operation procedures of the CPU. Further, the current fingerprint image obtaining

unit and the current iris image obtaining unit provided in the cellular phone 750 are realized by a central processing unit (CPU) provided inside the cellular phone 750 and by a program product or the like which defines operation procedures of the CPU.

Please replace the paragraph beginning at page 95, line 25, with the following rewritten paragraph:

Thus, the iris images including the optical source noises of three different types per person are obtained and stored in the respective storing units 735A, 735B, and 735C ~~constituting~~comprising the registration iris image data storing unit 735.

Please replace the paragraph beginning at page 99, line 16, with the following rewritten paragraph:

In FIG. 21, the user authentication system 800 ~~is constituted by~~comprises the information terminal devices 820 and 840 connected via the network 805. Each of the information terminal devices 820 and 840 is a cellular phone, a personal computer, or the like for example and these information terminal devices 820 and 840 may be information terminal devices of the same type or information terminal devices of different type. The network 805 ~~is comprised by~~comprises, for example, ~~constituted by~~ the Internet, a cellular phone network (refer to FIG. 1 of the first embodiment) or the like according to the type of the information terminal devices 820 and 840.

Please replace the paragraphs beginning at page 101, line 1, with the following rewritten paragraphs:

~~The~~Each of the imaging units 821 and 841 ~~are each constituted by including~~includes a not-shown imaging lens, a not-shown imaging element, a not-shown drive circuit which drives the imaging element, and a not-shown camera control unit (CCU) which processes an obtained image signal of a

subject. The imaging lens may be a single focal lens or a bifocal lens ~~constituted by~~including a standard lens and a close-up lens having a different focal length from each other. Further, the imaging element is, for example, a complementary metal oxide semiconductor (CMOS), a charge coupled device (CCD), or the like.

The registration iris image data storing units 828 and 848 ~~are constituted by~~comprise, for example, an EEPROM, a hard disk, or the like according to the types of the respective information terminal devices 820 and 840. Further, the display portions 830 and 850 ~~are constituted by~~comprise, for example, a CRT screen, a liquid crystal display screen, or the like according to the types of the respective information terminal devices 820 and 840.